

GENERAL DEFINITION OF WORK:

The position will assist in the full systems development life cycle including implementation/post implementation, analysis, system design and configuration, data conversion, technical and functional testing, documentation, process improvement and maintenance of the student information system and integration services.

ESSENTIAL FUNCTIONS/TYPICAL TASKS:

(These are intended only as illustrations of the various types of work performed. The omission of specific duties does not exclude them from the position if the work is similar, related, or a logical assignment to the position.)

- Responsible for converting data from the prior student information system to the new student information system to include data mapping, data conflict resolution, conversion program development/modification and execution.
- Support student information system documentation through development and maintenance using entity-relationship modeling.
- Evaluates and prioritizes requests for enhancements to the student information system to include impact analysis, risk assessment, acceptance and rejection of requests.
- Converts requirements to system specifications to include developing functional use cases, data flow diagrams, data modeling/prototyping.
- Designs, implements, and maintains custom applications and reports that meet requirements to include writing code, developing and executing test cases, conducting end user acceptance testing, providing post implementation assessment. This may include the development of database objects and structures for data storage, retrieval, and reporting, with an emphasis on stored procedure writing.
- Conducts systems application analysis to include assessing systems for suitability to meet FCPS and end user needs and customization capabilities.
- Conducts business process analysis to include assessing current business processes, recommending process changes to meet industry best practices, identifying process strengths, weaknesses, and deficiencies.
- Monitors business process efficiencies of the student information system after implementation.
- Works with various FCPS departments to troubleshoot and resolve specific student information system related problems.
- Responsible for managing system interfaces between the student information system and other applications.
- Maintains an up to date knowledge of rapidly changing computer technology.

KNOWLEDGE, SKILLS AND ABILITIES:

Knowledge and experience with installing and maintaining various computer hardware and software programs. Superior customer services and written and oral communication skills. Ability to prioritize multiple tasks and be flexible to supervisors' needs. Ability to work independently and with minimal supervision.

EDUCATION AND EXPERIENCE:

Bachelor's degree in computer science, computer programming, or related field and considerable related experience in a relational database applications development position within a large scale, multi user environment; or any equivalent combination of education and experience that would provide the noted knowledge, skills, and abilities. Experience with successful deployments of web applications. Experience developing for SQL server databases required. Experience with C# or C programming preferred. Familiarity with student information management software preferred with knowledge of Infinite Campus desired. Must possess extensive computer programming troubleshooting and systems engineering/design skills and an extensive working knowledge of the principles, practices, and techniques of relational database design and SQL database applications. Familiarity Microsoft SQL Server Reporting Services (SSRS), and SQL Server Integration Services (SSIS) preferred. Experience with PL/SQL, ODBC programming and must possess the ability to establish and maintain effective working relationships with technology staff, administrators, and school personnel.

PHYSICAL REQUIREMENTS:

This is sedentary work requiring the exertion of up to 25 pounds of force occasionally and a negligible amount of force frequently or constantly to move objects; work requires fingering, and repetitive motions; vocal communication is required for expressing or exchanging ideas by means of the spoken word; hearing is required to perceive information at normal spoken word levels; visual acuity is required for preparing and analyzing written or computer data, determining the accuracy and thoroughness of work and observing general surroundings and activities; the worker is not subject to adverse environmental conditions.

SPECIAL REQUIREMENTS:

Must possess and maintain a valid Virginia driver's license.

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential tasks.